

PLAN TRAFFIC BARRIER

TYPICAL AT END OF MODIFIED TRAFFIC BARRIER END SECTION
WHERE THRIE BEAM END SECTION "DESIGN F" STD. PLAN C-7a
OR GUARDRAIL END SECTION "DESIGN D OR F" STD. PLAN C-5 IS USED

NOTE TO DESIGNERS

- MODIFY THE FOLLOWING TO MATCH PROJECT REQUIREMENTS:
1. BARRIER END SECTION.
 2. REMOVE GUARDRAIL IF NOT CONNECTED TO BRIDGE ITEM.
 3. CONDUIT ALIGNMENT

10'-0" STEEL CONDUIT SECTION
BETWEEN CONDUIT DEFLECTION
FITTING A AND PVC CONDUIT IN
STATIONARY FORM BARRIER

STAINLESS STEEL
COVER SCREWS (TYP.)

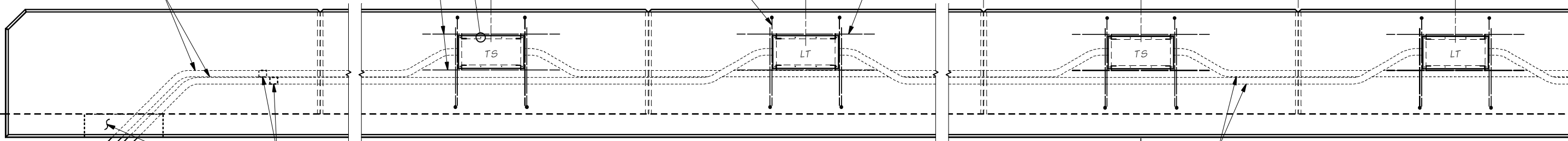
SECURE CONDUIT AND BOX TO
REBAR TO PREVENT MOVEMENT

BUNDLE [R1] #5, [R2] #5 OR
[R9] #5 ADJACENT TO EACH
END OF JUNCTION BOX (TYP.)

180'-0" MAX.

180'-0" MAX.

8'-0" MIN. (L TYP.)



ELEVATION

CONDUITS & J-BOX IN TRAFFIC BARRIER

LABEL JUNCTION BOX COVER IN ACCORDANCE WITH STANDARD SPECIFICATION 9-29.2(4) AND SPECIAL PROVISIONS.
ADJACENT JUNCTION BOXES ARE SHOWN CENTERED BETWEEN ADJACENT DUMMY JOINTS. IF THE DISTANCE BETWEEN
ADJACENT DUMMY JOINTS IS 16'-0" OR GREATER, PLACE ADJACENT JUNCTION BOXES SYMMETRICALLY ON EITHER SIDE OF
THE CENTER OF ONE DUMMY PANEL WHILE MAINTAINING 8'-0" MINIMUM BETWEEN CENTER LINES OF THE JUNCTION BOXES.

3'-0" LONG EXPANDED POLYSTYRENE
SLEEVE AROUND CONDUIT. DUCT TAPE
SEAMS AND ENDS TO SEAL AND
PREVENT CONCRETE FROM BONDING
WITH FITTING AND CONDUIT

EXPANSION JOINT
CONDUIT EXPANSION
FITTING

CONDUIT PIPE SIZED
PER WIRING SCHEDULE

BONDING JUMPER
TIES ~ SPACE @ 2 1/2" MAX.

CONDUIT EXPANSION FITTING

CONDUIT FITTING - (TYPE AX FOR MOVEMENT OF $\pm 2"$)
AT BRIDGE EXPANSION JOINTS

WHERE CONDUIT IN A STRUCTURE IS ROUTED
ACROSS A JOINT, WRAP STEEL CONDUIT PIPE
FOR 1'-0" ON EACH SIDE OF JOINT. PIPE WRAP
TAPE SHALL BE 2" WIDE, 20 MIL THICK, AND
INSTALLED WITH A MINIMUM OF 1" OVERLAP

3" MIN., 6" MAX. (CONDUIT AND
THREADS CAST OUTSIDE STRUCTURE)

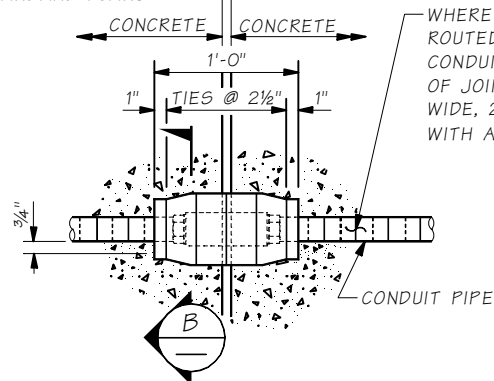
CONDUIT DEFLECTION FITTING
WITH INTERNAL BONDING JUMPER

CONDUIT PIPE

CONDUIT DEFLECTION FITTING A

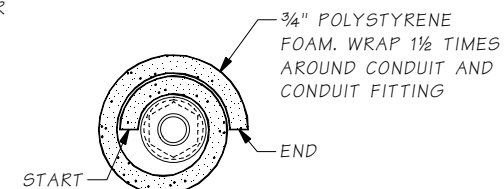
CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30° AND
3/4" MOVEMENT. PLACE AT CONDUIT PIPE EXIT FROM STRUCTURE

1/2" PREMOLDED JOINT FILLER
SEE STANDARD PLANS

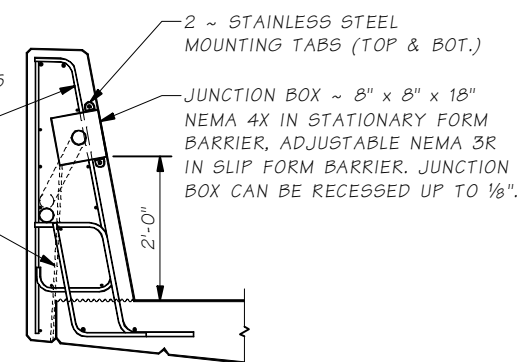


CONDUIT DEFLECTION FITTING B

CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30° AND 3/4" MOVEMENT.
CONDUIT PIPES PLACED THROUGH RETAINING WALL TRAFFIC BARRIER SHALL
BE FITTED WITH DEFLECTION FITTINGS AT A MAXIMUM SPACING OF 120'.
THE DEFLECTION FITTINGS SHALL BE PLACED AT THE TRAFFIC BARRIER OPEN
JOINT THAT COINCIDES WITH THE RETAINING WALL STEM EXPANSION JOINT
NEAREST TO THE TRANSVERSE CONSTRUCTION JOINT IN THE WALL FOOTING.



SECTION B



SECTION A

STANDARD TRAFFIC BARRIERS

TRAFFIC BARRIER - SINGLE SLOPE 42"
DETAILS 3 OF 3

Bridge Design Engr.	M:\STANDARDS\Traffic Barriers\Single Slope\SS42TB3.man	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor		10	WASH.			
Designed By						
Checked By						
Detailed By						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APPD		

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BRIDGE
AND
STRUCTURES
OFFICE



BRIDGE
SHEET NO.
SHEET
OF
SHEETS

SR JOB NO. SHEET

10.2-A6-3